

## SEQUENCE LISTING

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<120> METHOD FOR MODIFYING CHROMOSOMES

<130> 081356/0158

<140> 09/763,362

<141> 2001-04-23

<150> PCT/JP99/04518

<151> 1999-08-23

<150> JP 236169/1998

<151> 1998-08-21

<160> 148

<170> PatentIn Ver. 2.1

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&lt;210&gt; 39

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| Val | Arg | Ser | Ser | Ser | Trp | Tyr | Glu | Tyr | Tyr | Tyr | Tyr | Gly | Met | Asp | Val |
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| Gly | Gly | Ile | Thr | Met | Val | Arg | Gly | Leu | Ile | Ile | Thr | Asp | Trp | Tyr | Phe |
| 1   |     |     |     | 5   |     |     |     |     | 10  |     |     |     |     | 15  |     |

Asp Leu

<210> 111

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 111

|     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Ala | Pro | Tyr | Ser | Gly | Arg | Phe | Asp | Tyr |
| 1   |     |     |     | 5   |     |     |     |     |

<210> 112

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 112

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Glu | Arg | Tyr | Tyr | Gly | Ser | Gly | Ser | Tyr | Gln | Asp | Tyr | Tyr | Tyr | Tyr | Tyr |
| 1   |     |     |     | 5   |     |     |     |     | 10  |     |     |     |     | 15  |     |

Gly Met Asp Val



<210> 113  
 <211> 16  
 <212> PRT  
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 113

Gly Gly Tyr Ser Gly Tyr Glu Asp Tyr Tyr Tyr Tyr Gly Met Asp Val  
           1                          5                          10                          15

<210> 114  
 <211> 10  
 <212> PRT  
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 114

Ser Tyr Phe Asp Trp Pro Asp Phe Asp Tyr  
           1                          5                          10

<210> 115  
 <211> 19  
 <212> PRT  
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 115

Glu Gly Cys Ser Gly Gly Ser Cys Leu Pro Gly Tyr Tyr Tyr Tyr Gly  
           1                          5                          10                          15

Met Asp Val

<210> 116  
 <211> 9  
 <212> PRT  
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 116

Ala His Gly Asp Pro Tyr Phe Asp Tyr  
           1                          5

<210> 117  
 <211> 7  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Synthetic  
 peptide

<400> 117  
 Asp Ala Asp Ala Phe Asp Ile  
       1                  5

<210> 118  
 <211> 5  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Synthetic  
 peptide

<400> 118  
 Ser Gly Trp Asp Tyr  
       1                  5

<210> 119  
 <211> 5  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Synthetic  
 peptide

<400> 119  
 Thr Gly Phe Asp Leu  
       1                  5

<210> 120  
 <211> 17  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Synthetic  
 peptide

<400> 120  
 Glu Gly Gly Tyr Gly Ser Val Gly Asp Tyr Tyr Tyr Tyr Gly Met Asp  
       1                  5                  10                  15

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Val

<210> 121  
 <211> 16  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Synthetic  
 peptide

<400> 121  
 Gly Gly Tyr Ser Tyr Gly Tyr Asp Tyr Tyr Tyr Tyr Gly Met Asp Val  
           1                  5                  10                  15

<210> 122  
 <211> 9  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Synthetic  
 peptide

<400> 122  
 Gly Tyr Ser Ser Gly Trp Tyr Asp Tyr  
           1                  5

<210> 123  
 <211> 11  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Synthetic  
 peptide

<400> 123  
 Arg Tyr Ser Ser Gly Trp Tyr Tyr Phe Asp Tyr  
           1                  5                  10

<210> 124  
 <211> 10  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Synthetic  
 peptide

<400> 124  
 Gly Arg Ile Ala Val Ala Ser Phe Asp Tyr  
           1                  5                  10

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<210> 125  
<211> 10  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic  
peptide

<400> 125  
Gly Ser Gly Ser Tyr Phe His Phe Asp Tyr  
1 5 10

<210> 126  
<211> 9  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic  
peptide

<400> 126  
Gln Gln His Asp Asn Leu Pro Phe Thr  
1 5

<210> 127  
<211> 9  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic  
peptide

<400> 127  
Gln Gln Tyr Asp Asn Leu Pro Ile Thr  
1 5

<210> 128  
<211> 9  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic  
peptide

<400> 128  
Gln Gln His Asp Asn Leu Pro Phe Ala  
1 5

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<210> 129  
<211> 9  
<212> PRT  
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 129

Gln Gln Tyr Asn Ser Tyr Pro Leu Thr  
1 5

<210> 130

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 130

Met Gln Gly Thr His Leu Leu Thr  
1 5

<210> 131

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 131

Met Gln Gly Thr His Trp Ile Thr  
1 5

<210> 132

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 132

Gln Gln Tyr Gly Ser Ser Pro Thr Trp Thr  
1 5 10

<210> 133

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 133

Gln Gln Tyr Gly Ser Ser Pro Phe Thr  
1 5

<210> 134

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 134

Gln Gln Tyr Gly Ser Ser Pro Leu Trp Thr  
1 5 10

<210> 135

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 135

Gln Gln Tyr Gly Ser Ser Pro Pro Trp Thr  
1 5 10

<210> 136

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 136

His Gln Ser Ser Ser Leu Pro Gln Thr  
1 5

<210> 137

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 137

Ala Ala Trp Asp Asp Ser Leu Asp Val Val  
1 5 10

<210> 138

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 138

Gly Thr Trp Asp Ser Ser Leu Ser Ala Gly Val  
1 5 10

<210> 139

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 139

Gly Thr Trp Asp Ser Ser Leu Ser Ala Gly Val Val  
1 5 10

<210> 140

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 140

Gly Thr Trp Asp Ser Ser Leu Ser Ala Val Val  
1 5 10

<210> 141

<211> 11

<212> PRT

<213> Artificial Sequence

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<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 141

Gln Ser Tyr Asp Ser Ser Leu Ser Gly Val Val  
1 5 10

<210> 142

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 142

Cys Ser Tyr Ala Gly Ser Ser Thr Leu Val  
1 5 10

<210> 143

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 143

Ser Ser Tyr Thr Ser Ser Ser Thr Val Val  
1 5 10

<210> 144

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 144

Ser Ser Tyr Thr Ser Ser Ser Thr Leu Val  
1 5 10

<210> 145

<211> 10

<212> PRT

<213> Artificial Sequence

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<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 145

Cys Ser Tyr Thr Ser Ser Ser Thr Phe Val  
1 5 10

<210> 146

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 146

Ser Ser Tyr Ala Gly Ser Asn Asn Leu Val  
1 5 10

<210> 147

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 147

Ser Ser Tyr Ala Gly Ser Asn Asn Phe Val Val  
1 5 10

<210> 148

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 148

Asn Ser Arg Asp Ser Ser Gly Asn Leu Val  
1 5 10